

1. Technical Specifications

Product type	Bluetooth® DALI Digital Receiver Node (Flush mount)
Mains voltage	220~240VAC 50/60Hz
DALI bus power supply	I guaranteed: 80mA
	I max: 100mA
	U rated: 15VDC
Stand-by power	<0.5W
Operation frequency	2,4 GHz - 2,483 GHz
Transmission power	4 dBm
Range (Typical)	10 – 30m
Protocol	Bluetooth® 5.0 SIG Mesh
Operation temperature	Ta: -20°C ~ +45°C
Case temperature (Max.)	Tc: +75°C
Storage temperature	-20°C ~ +60°C
Max. relative humidity	20 ~ 90%
IP rating	IP20
Impulse withstand voltage	2.5kV
Duty type	S1
Insulation material	PTI material group IIIa
Glow wire	level 3, 850°C
Protection	Built-in protection provide
Insulation	Class II

2. Download the App

Free App for set-up and commissioning

Bluetooth® 5.0 SIG mesh



for iOS



for iOS



for iOS




for Android

Smartphone app for both iOS & Android platform



for iPad



for iPad

Koolmesh Pro app for iPad



for Web



for Web

Web app/platform: www.iot.koolmesh.com

3. Dimming Interface Operation Notes

Switch-Dim

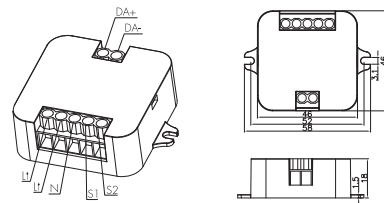
The provided Switch-Dim interface allows for a simple dimming method using commercially available non-latching (momentary) wall switches. Detailed Push switch configurations can be set on Koolmesh app.

Switch Function	Action	Descriptions
Push switch	Short press (<1 second) * Short press has to be longer than 0.1s, or it will be invalid.	- Turn on/off - Recall a scene - Turn on only - Exit manual mode - Turn off only - Do nothing
	Double push	- Turn on only - Exit manual mode - Turn off only - Do nothing - Recall a scene
	Long press (≥1 second)	- Dimming - Colour tuning - Do nothing
Simulate sensor	/	- Upgrade a normal on/off motion sensor to a Bluetooth controlled motion sensor

4. Installation

⚠ Warnings:

- Installation must be carried out by a qualified engineer in accordance with local regulations.
- Disconnect power supply before installing.
- Ensure environmental conditions are suitable for electronic equipment.



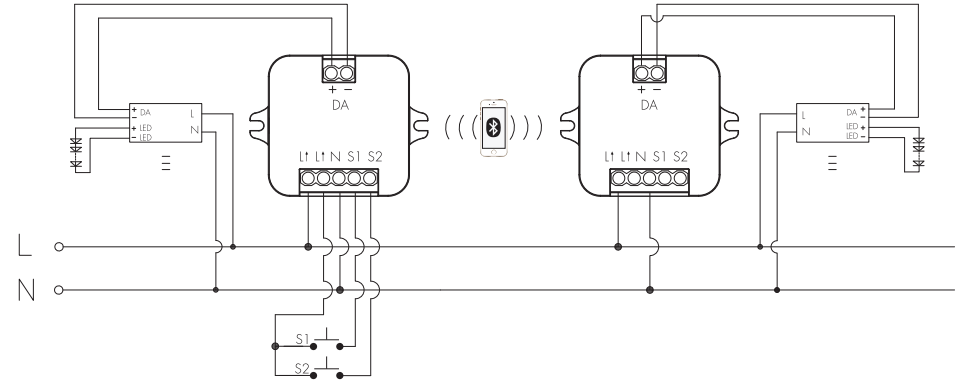
Wire Preparation



To make or release the wire from the terminal, use a screwdriver to push down the button.

- 200 metres (total) max. for 1mm² CSA (Ta = 50°C)
- 300 metres (total) max. for 1.5mm² CSA (Ta = 50°C)

Wiring Diagram



5. Additional Information / Documents

- To learn more about detailed product features/functions, please refer to www.hytronik.com/download ->knowledge ->Introduction of App Scenes and Product Functions
- Regarding precautions for Bluetooth product installation and operation, please kindly refer to www.hytronik.com/download ->knowledge ->Bluetooth Products - Precautions for Product Installation and Operation
- Data sheet is subject to change without notice. Please always refer to the most recent release on www.hytronik.com/products/bluetooth-technology ->Bluetooth Sensor ->Receiver Nodes
- Regarding Hytronik standard guarantee policy, please refer to www.hytronik.com/download ->knowledge ->Hytronik Standard Guarantee Policy